BRAINBANK LEARNING GUIDE

(English Language)

WORD ELEMENTS - SUFFIXES: I

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Five computer programs teaching the uses and meanings of the suffixes:
-METER and -METER in the metric system
-GRAM and -GRAM in the metric system
with a Review Test

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About this BRAINWARE™

BRAINBANK'S microcomputer BRAINWARE™ is designed to support and supplement classroom work. All instructions are displayed step-by-step, ON-SCREEN. Students need only load the program to understand what to do. Feedback to student responses is immediate and ongoing, assessing students as they work.

This BBI BRAINWARE™ title contains five programs. One program on the diskette is a test of the concepts presented in the other four lessons. The test program records responses, then tallies the test, and displays and comments on the grade, often with suggestions as to which lessons might be repeated.

The lessons on each diskette do not have a sequence. Lessons may be run in any order, but it is recommended that the TEST program be run last, after the lessons. It should be noted that each lesson must be run from the beginning and cannot be started in the middle.

***CONSULT YOUR COMPUTER MANUAL FOR START-UP INSTRUCTIONS.

BBI lessons make it fun to be right. Get an answer right the first time and the response may bring laughter, and it might even teach a few synonyms in the process. A right answer after two or more tries is acknowledged, but simply. After a wrong answer, students are encouraged to try again. Responses to errors are terse and not likely to encourage intentional wrong answers.

Be sure to allow each student ample time to run through a BBI lesson on the computer. Students run the lessons at their own pace. Lessons average about half an hour each to run, though this will vary from student to student.

Success is built into every BBI BRAINWARE™ lesson.

Learning Guide

This Guide is provided to augment the courseware subjects with related exercises, tests and appropriate activities.

These WORD ELEMENTS-SUFFIXES: I lessons are designed to increase facility with:

(1) READING. Recognizing word components and pronouncing the new words.

(2) COMPREHENSION. Recognizing parts of words, putting them together and inferring meaning from the word context.

(3) WRITTEN VOCABULARY. Specific meanings of affixes are introduced, and the student gets practice using new affixes in words, phrases and sentences.

(4) SPOKEN VOCABULARY. Through the sentences given as examples, students learn how these new words are used conversationally. Pronunciations for these new words are displayed on the screen in a manner that is easy to "sound out" and speak.

(5) GRAMMAR. Different parts of speech are formed by the addition of prefixes and suffixes to words.

(6) SPELLING. The computer will not accept misspelled answers.

In this WORD ELEMENTS Series, students learn that the meaning of a word can be changed by attaching a suffix at its end. After completing the lessons, students will know how to use the lesson words in a proper context. By applying what they have learned about each suffix, students will recognize the definitions of new words.

Here is an example.

If you know that *meter* means an instrument for measuring and sometimes recording;

And if you know, too, that the suffix *-meter* is often joined to a prefix which indicates what it is that is being measured;

And also if you know these words (prefixes) and their meanings:

audio- means sound or hearing;
baro- means pressure;
chrono- means time —

You could then surmise that:

An *audiometer* is an instrument for measuring the keenness and range of hearing.
A *barometer* is an instrument for measuring air pressure.
A *chronometer* is an instrument for measuring time.

BRAINBANK lessons draw attention to the fact that suffixes change the meanings of words (*e.g.*, computer/computer*ize*) and the function of the words (*computer* is a noun; *computerize* is a verb). For quick reference, students can use a dictionary to find suffix definitions. Knowing how suffixes can change words is an important word-attack skill.

The following segment of the LEARNING GUIDE provides multiple choice definitions, completion sentences and some true/false questions that relate directly to the vocabulary and instruction in each microcomputer lesson. All correct answers are shown in *italics*. These questions can be used as introductory exercises for the whole series or for individual lessons, or as a follow-up activity.

THE SUFFIX -METER

Multiple Choice

thermometer (1) an attraction to gravity
(2) *an instrument for measuring heat*
(3) trust in a good friend

barometer (1) *an instrument that measures air pressure*
(2) an instrument that measures blood pressure
(3) an instrument that measures heartbeats

chronometer (1) a large calorie
(2) *a very exact timepiece*
(3) a heated surface

hygrometer (1) a measure for color pigments
(2) *an instrument to measure humidity*
(3) a vivid memory

True or False?

True Something is measured when *-meter* is the suffix.
False A pilot consults a galvanometer to check the altitude of the plane.
False *Meter* comes from the Greek word *Metro* which means under.

THE SUFFIXES -METER IN THE METRIC SYSTEM

Multiple Choice

decameter (1) a bomb over 10 tons
(2) ten units of money
(3) *ten meters*

hectometer (1) to behave like a bully
(2) to go fifty feet
(3) *one hundred meters*

kilometer (1) something that is killed
(2) *one thousand meters*
(3) one thousand yards

millimeter (1) *one thousandth of a meter*
(2) a graduated scale
(3) a designer of hats

centimeter (1) one hundred new pennies
(2) *one hundredth of a meter*
(3) spinning around its middle

True or False?

True The suffix *-meter* can mean more than one meter or only a part of a meter.
False One-tenth of a meter is a mica.
False The suffix *-meter* sometimes describes a sudden violent energy.

THE SUFFIX -GRAM

Multiple Choice

cablegram (1) a knitting pattern
(2) a wool sweater
(3) *a message sent by underwater cable*

telegram (1) an amusing message
(2) *a message sent by telegram*
(3) a word formed from the first letters of other words

monogram (1) a single rail
(2) *a pretty design of two or more letters*
(3) a laundry mark

anagram (1) *a word formed from rearranging the letters of another word*
(2) a secret message
(3) an angry feeling

diagram (1) *to draw or to chart*
(2) to regulate food eaten
(3) to read aloud

Find the dittograms in these phrases:

Check your worrk.

You hit the nail on
on the head.

Raindrops are falling on my *my* head.

THE SUFFIX -GRAM IN THE METRIC SYSTEM

Multiple Choice

dekagram (1) wood planking on a ship
(2) *ten grams*
(3) electric current

kilogram (1) bringing relief from pain
(2) *larger than one gram*
(3) flowing like a creek or stream

centigram (1) a pretty object in the center of the table
(2) *a unit of weight*
(3) an official count of the population

milligram (1) *smaller than one gram*
(2) 1.5 metric tons
(3) equal to a megameter

hectogram (1) heavy pressure
(2) the arm of an octopus
(3) *one hundred grams*

decigram (1) one gram
(2) *one-tenth of a gram*
(3) ten plants

True or False?

True A gram is a unit of metric weight.
True A gram is one-thousandth of a kilogram.
False Ten megagrams equals one kilometer.

Brain Teasers

Pilots know how high a plan is flying by reading (a barometer, *an altimeter*, a thermometer).

A gram is a unit of weight in the (solar, *metric*, telephone) system.

Highway signs in the United States soon will show both miles and (centimeters, *kilometers*, audiometers) between cities.

Religious symbols, like the Cross and the Star of David, are examples of (radiograms, *hierograms*, telegrams).

It is easier to identify your luggage at an airport or a railroad station when it has (a *monogram*, an anagram, an aerogram).

A microgram is a (*very small*, large, huge) unit of measure.

The BRAINBANK Inc., BRAINWARE™ Kit Contents

A BRAINWARE™ KIT BOOKLET
Everything you need to know about BBI BRAINWARE™

- **BOOKLET CONTENTS**
  A table of contents with page numbers.

- **THE BBI PRIMER**
  Instructions for interacting with our BRAINWARE™.

- **THE MICROCOMPUTER:** An Overview
  Parts of a microcomputer explained in simple terms.

- **"SIGHT-SAYING"**
  A pronunciation guide.

- **GLOSSARY**
  Definitions of commonly used computer terms.

- **LEARNING GUIDE**
  Related information and activities.

BRAINWARE™ CONTENTS
Listed on the package for quick reference.

THE BRAINWARE™
BBI lessons on diskette in packages designed for careful storage.

"USER FRIENDLY SOFTWARE"